

UNITED STATES PARTMENT OF COMMERCE Patent and Trademark Office

JAR-10

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

WM02/1120

BRAD A ARMSTRONG P O BOX 1419 PARADISE CA 95967

APPLICATION NO.		FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT		,DATE MAILED	
	09/167,31	4 10/06/9	98 028	NGUYEN, K	26	74 11/17/00	
First Named Applicant	ARMSTRO	NG,	35	USC 154(b) term ext. =	Ü	Days.	

TITLE OF COMPUTER MOUSE WITH ENHANCE CONTROL BUTTON (S)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN	. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	345	-163.000	V16	UTIL	ITY YES	\$620.0	0 02/20/01

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED.</u>

HOW TO RESPOND TO THIS NOTICE:

- I. Review the SMALL ENTITY status shown above.

 If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
 - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
 - B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.

 Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

PTOL-85 (REV. 10-96) Approved for use through 06/30/99. (0651-0033)

*U.S. GPO: 1999-454-457/24601

		· ·		
	Application No.	Applicant(s)		
. Aladiaa af Allawahilita	09/167,314	ARMSTRONG, BRAD A.	ARMSTRONG, BRAD A.	
Notice of Allowability	Examiner	Art Unit		
	Kevin M. Nguyen	2674		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS Is herewith (or previously mailed), a Notice of Allowance and Issue THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PAT initiative of the Office or upon petition by the applicant. See 37	S (OR REMAINS) CLOSED in Fee Due or other appropriation in Republication i	n this application. If not included e communication will be mailed in due co		
 This communication is responsive to 10/30/200. The allowed claim(s) is/are 1-28. The drawings filed on 06 July 2000 are acceptable as for Acknowledgment is made of a claim for foreign priority uses a) All b) Some* c) None of the: 				
1. Certified copies of the priority documents have	ve been received.	•		
2. Certified copies of the priority documents have	ve been received in Application	on No		
3. ☐ Copies of the certified copies of the priority d International Bureau (PCT Rule 17.2(a)).	ocuments have been receive	d in this national stage application from th	ıe	
* Certified copies not received: 5. Acknowledgement is made of a claim for domestic priority	/ under 35 U.S.C. & 119(e)			
от <u>при при при при при при при при при при </u>	,	•		
Applicant has THREE MONTHS FROM THE "MAILING DATE" below. Failure to timely comply will result in ABANDONMENT of				
 Note the attached EXAMINER'S AMENDMENT or NOTIC the oath or declaration is deficient. A SUBSTITUTE OA 			ιhy	
 7. Applicant MUST submit NEW FORMAL DRAWINGS (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing (c) including changes required by the attached Examine 	correction filed, which	ch has been approved by the examiner.		
Identifying indicia such as the application number (see should be filed as a separate paper with a transmittal le				
8. Note the attached Examiner's comment regarding REQU	REMENT FOR THE DEPOS	IT OF BIOLOGICAL MATERIAL.		
Any reply to this letter should include, in the upper right hand co applicant has received a Notice of Allowance and Issue Fee Due ALLOWANCE should also be included.			R). If	
Attachment(s)				
Notice of References Cited (PTO-892) □ Notice of Draftperson's Patent Drawing Review (PTO-948) □ Information Disclosure Statements (PTO-1449), Paper No. □ Examiner's Comment Regarding Requirement for Deposit of Biological Material	4☐ Interviev 6☐ Examino 8⊠ Examino 9☐ Other	f Informal Patent Application (PTO-152) v Summary (PTO-413), Paper No er's Amendment/Comment er's Statement of Reasons for Allowance RICHARD HJERPE SUPERVISORY PATENT EXAMINER		
U.S. Patent and Trademark Office		TECHNOLOGY CENTER 2600		

U.S. Patent and Trademark Office PTO-37 (Rev. 9-00) Application/Control Number: 09/167,314

Art Unit: 2674

DETAILED ACTION

1. The amendment filed on 10/30/2000 is entered. Claims 1-28 are allowed.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Microsoft Mice IntelliMouse Explorer Revolutionary Optical Sensor-No Mouse Ball teaches a wheel for scrolling and zooming and two additional buttons for easy web navigation. However, none of cited prior art teaches or suggests that: "an improved desktop operated computer control device of the type having a rotatable ball for pointing control, said control device further of the type including a housing, electronic circuitry within said housing and coupled to communication means for communicating control signals from said electronic circuitry to a computer, a plurality of finger depressible buttons exposed on said housing and interfacing with sensors electrically connected with said electronic circuitry for allowing user selection of control signals communicated to a computer; at least tow of said sensors each capable of providing at least three readable states of varied conductance, at least two states of said at least three readable states dependant upon depressive pressure applied to the variable-conductance sensors through depression of an associated button;

wherein the improvement comprises:

said electronic circuitry including means for reading said at least three readable states and for producing a distinct control signal for each state of said at least two states, the distinct control signals are

Application/Control Number: 09/167,314

Art Unit: 2674

Page 3

screen scrolling control signals used to determine scrolling speed rates, whereby a pointer controlled by said control device is not required to be located on scrolling elevator showing on a monitor."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Nguyen whose telephone number is 703-305-6209. The examiner can normally be reached on M-F (9:00-5:00), with alternate Fridays off..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on 703-305-4709. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-6606 for regular communications and 703-308-6606 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Kevin M. Nguyen

Examiner Art Unit 2674

> RICHARD HJERPE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600

Page 4

Application/Control Number: 09/167,314

Art Unit: 2674

KN

November 15, 2000